

## ABSTRACT

The present invention relates to a function inhibitor of an effector cell comprising a CCR5 antagonist. Since the function inhibitor of an effector cell comprising a CCR5 antagonist inhibits the function of effector cells which play an important role in formation of diseases and the like, it is effective for the prevention and/or treatment of, for example, a transplant rejection (e.g., rejection of a solid organ graft, rejection of islet cell transplantation in diabetes mellitus, graft-versus-host disease (GVHD) , *etc.*), an autoimmune disease (e.g., arthritis, rheumatoid arthritis, multiple sclerosis, ulcerative colitis, *etc.*), an allergic disease (e.g., asthma, *etc.*), an ischemic disease (e.g., ischemia-reperfusion injury, *etc.*), cancer or a metastatic disease or the like.